

Author Index

Abraham J, 207
 Abroms IF, 313
 Adams M, 104
 Adamson M, 268
 Adobbati L, 564
 Aiello I, 190
 Akiguchi I, 204
 Alavi A, 444
 Aldrich MS, 149
 Alessi AG, 149
 Allen JC, 59
 Aminoff MJ, 90, 311
 Amitani H, 117
 Andermann E, 176
 Andermann F, 176, 361, 458
 Anderson NE, 470
 Annegers JF, 22
 Aring CD, 402
 Asbury AK, 1
 Asselman P, 389
 Atlas SW, 300
 Aubourg PR, 349
 Avigan J, 232

Bairamian D, 14
 Baraban JM, 217
 Baram TZ, 511
 Barin F, 123
 Barth DS, 548
 Baverstock J, 337
 Beard CM, 514
 Becciu S, 190
 Beck RW, 149
 Bellur SN, 602
 Bendeich EG, 353
 Bennett JP, 413
 Bennett JP Jr, 41
 Bergeron C, 331
 Bergstrahl EJ, 514
 Bernholz AA, 513
 Bet L, 564
 Blass JP, 451, 509
 Bockman JM, 589
 Borel J, 240
 Bosley TM, 444
 Bowen DM, 509
 Boyce GM, 559
 Bradley WG, 250
 Breese GR, 353
 Bresolin N, 564
 Brière R, 314
 Brismar T, 504
 Brown RH, 314
 Brown RH Jr, 64
 Brown RT, 573
 Brown-Wagner M, 98
 Buisson G, 123

Bullard DE, 609
 Busard HLSM, 599
 Cahan LD, 548
 Caplan LR, 85, 290, 316
 Carl JR, 383
 Carroll VS, 307
 Cashman NR, 481
 Catz I, 183
 Chan PH, 540
 Chapman L, 353
 Chase TN, 370
 Chaudhry V, 606
 Chawluk JB, 444
 Cho E-S, 490, 617
 Chugani HT
 Cohen JA
 Cohen LG, 512
 Cohen MB, 290
 Collier AM, 353
 Como PG, 307
 Connor EM, 397
 Cordon-Cardo C, 490
 Cornblath DR, 32, 240
 Covault J, 481
 Coyle PK, 211
 Crandall PH, 548
 Cruz CJ, 41
 Culman J, 573
 Cupello A, 416
 Cutler JR, 311
 Cutler NR, 408

Damasio AR, 614
 Dammann AL, 232
 Dann R, 444
 Dansky LV, 176
 Darcey TM, 548
 Davis FA, 71
 Day BL, 389
 Day J, 104
 D'Cruz I, 316
 DeArmond S, 104
 Deck JHN, 78
 DeFreitas E, 215
 Dehaene I, 216
 Delaporte JM, 123
 de Lotbinière A, 361
 Demontis G, 190
 DeTeresa R, 530
 de-Thé G, 123
 De Vivo DC, 511
 DeWitt LD, 85
 Dhawan V, 59
 Di Chiro G, 14
 Dick JPR, 389
 Diks M, 279, 458
 Dobyns WB, 578
 Drummond PD, 559
 Duvoisin RC, 513

Edvinsson L, 431
 Edwards MS, 404
 Ekman R, 431

Engel J Jr, 4, 548
 Epstein LG, 397
 Evans A, 458
 Evans AC, 59, 279
 Evinger C, 53

Fabbrini G, 370
 Faut M, 71
 Feindel WH, 279
 Ferrante C, 564
 Ferrari MB, 41
 Ferrendelli JA, 3
 Finegan JM, 451
 Finley C, 353
 Fishbein D, 14
 Fishman RA, 540
 Foldes O, 573
 Forbes GS, 578
 Frith JA, 102
 Frost JD Jr, 377
 Fukuyama H, 204
 Furuya H, 596

Gabreëls-Festen AAWM, 599
 Gabreëls FJM, 599
 Gadoth N, 415
 Gale D, 85
 Galetta S, 300
 Gallanti A, 564
 Gancher ST, 584
 Gandy SE, 342
 Gates AJ, 606
 Gazzaniga MS, 604
 Geary WA II, 475
 Geller TJ, 602
 Gerber O, 511
 Gessain A, 123
 Gilman S, 149
 Glaze DG, 377
 Gloor P, 361, 458
 Goetz CG, 307
 Golbe LI, 513
 Gonzalez-Scarano F, 300
 Goodin DS, 90, 311
 Gordon CR, 415
 Goudsmit J, 397
 Gout O, 123
 Greenberg DA, 317
 Greene DA, 504
 Greenfield EA, 159
 Griffin GB, 389
 Griffin JW, 32
 Griggs RC, 197
 Groover RV, 578
 Grossman RI, 300
 Grotta JC, 171
 Gudesblatt M, 511
 Guilleminault C, 465
 Guttman M, 412

Habermann-Little B, 311
 Hain TC, 383
 Hakim AM, 279
 Hallett M, 512

Halliday WC, 78
 Hamill RW, 438
 Hansen LA, 530
 Hansen S, 331
 Hans MB, 159
 Hart RG, 315
 Hauser WA, 22
 Haxby JV, 408
 Hayashi M, 274
 Hedges TR III, 85, 290
 Heier LA, 342
 Hier DB, 316
 Hiesiger EM, 614
 Holland B, 397
 Holmes GL, 268
 Holmes M, 14
 Hyden H, 416
 Hyman BT, 259, 614

Iacono RP, 311
 Ide K, 109
 Igata A, 117
 Ijichi N, 117
 Ito B, 100
 Itoh H, 109
 Iwasaki Y, 215
 Izumo S, 117

Jagadha V, 78
 Jansen I, 431
 Jennings SS, 232
 Johnson C, 211
 Johnson D, 64
 Johnson EM Jr, 46
 Johnson RT, 113
 Jones K, 331
 Juncos J, 370

Kahn SN, 507
 Kameyama M, 204
 Kangawa K, 596
 Katusic SK, 514
 Kay AD, 408
 Keefover RW, 415
 Kelly M, 438
 Kennedy PGE, 32
 Kessler JA, 95
 Kida K, 274
 Kilts C, 353
 Kingsbury DT, 589
 Koch TK, 404
 Koeppe AH, 159
 Kolodny EH, 230
 Konkol RJ, 353
 Kopin IJ, 573
 Koprowski H, 215
 Kremzner LT, 511
 Kromer LJ, 259, 614
 Kupersmith MJ, 131
 Kurihara T, 596
 Kurland LT, 514
 Kushner M, 444
 Kwan ES, 85, 290

Author Index

Abraham J, 207
 Abroms IF, 313
 Adams M, 104
 Adamson M, 268
 Adobbati L, 564
 Aiello I, 190
 Akiguchi I, 204
 Alavi A, 444
 Aldrich MS, 149
 Alessi AG, 149
 Allen JC, 59
 Aminoff MJ, 90, 311
 Amitani H, 117
 Andermann E, 176
 Andermann F, 176, 361, 458
 Anderson NE, 470
 Annegers JF, 22
 Aring CD, 402
 Asbury AK, 1
 Asselman P, 389
 Atlas SW, 300
 Aubourg PR, 349
 Avigan J, 232

Bairamian D, 14
 Baraban JM, 217
 Baram TZ, 511
 Barin F, 123
 Barth DS, 548
 Baverstock J, 337
 Beard CM, 514
 Becciu S, 190
 Beck RW, 149
 Bellur SN, 602
 Bendeich EG, 353
 Bennett JP, 413
 Bennett JP Jr, 41
 Bergeron C, 331
 Bergstrahl EJ, 514
 Bernholz AA, 513
 Bet L, 564
 Blass JP, 451, 509
 Bockman JM, 589
 Borel J, 240
 Bosley TM, 444
 Bowen DM, 509
 Boyce GM, 559
 Bradley WG, 250
 Breese GR, 353
 Bresolin N, 564
 Brière R, 314
 Brismar T, 504
 Brown RH, 314
 Brown RH Jr, 64
 Brown RT, 573
 Brown-Wagner M, 98
 Buisson G, 123

Bullard DE, 609
 Busard HLSM, 599
 Cahan LD, 548
 Caplan LR, 85, 290, 316
 Carl JR, 383
 Carroll VS, 307
 Cashman NR, 481
 Catz I, 183
 Chan PH, 540
 Chapman L, 353
 Chase TN, 370
 Chaudhry V, 606
 Chawluk JB, 444
 Cho E-S, 490, 617
 Chugani HT
 Cohen JA
 Cohen LG, 512
 Cohen MB, 290
 Collier AM, 353
 Como PG, 307
 Connor EM, 397
 Cordon-Cardo C, 490
 Cornblath DR, 32, 240
 Covault J, 481
 Coyle PK, 211
 Crandall PH, 548
 Cruz CJ, 41
 Culman J, 573
 Cupello A, 416
 Cutler JR, 311
 Cutler NR, 408

Damasio AR, 614
 Dammann AL, 232
 Dann R, 444
 Dansky LV, 176
 Darcey TM, 548
 Davis FA, 71
 Day BL, 389
 Day J, 104
 D'Cruz I, 316
 DeArmond S, 104
 Deck JHN, 78
 DeFreitas E, 215
 Dehaene I, 216
 Delaporte JM, 123
 de Lotbinière A, 361
 Demontis G, 190
 DeTeresa R, 530
 de-Thé G, 123
 De Vivo DC, 511
 DeWitt LD, 85
 Dhawan V, 59
 Di Chiro G, 14
 Dick JPR, 389
 Diks M, 279, 458
 Dobyns WB, 578
 Drummond PD, 559
 Duvoisin RC, 513

Edvinsson L, 431
 Edwards MS, 404
 Ekman R, 431

Engel J Jr, 4, 548
 Epstein LG, 397
 Evans A, 458
 Evans AC, 59, 279
 Evinger C, 53

Fabbrini G, 370
 Faut M, 71
 Feindel WH, 279
 Ferrante C, 564
 Ferrari MB, 41
 Ferrendelli JA, 3
 Finegan JM, 451
 Finley C, 353
 Fishbein D, 14
 Fishman RA, 540
 Foldes O, 573
 Forbes GS, 578
 Frith JA, 102
 Frost JD Jr, 377
 Fukuyama H, 204
 Furuya H, 596

Gabreëls-Festen AAWM, 599
 Gabreëls FJM, 599
 Gadoth N, 415
 Gale D, 85
 Galetta S, 300
 Gallanti A, 564
 Gancher ST, 584
 Gandy SE, 342
 Gates AJ, 606
 Gazzaniga MS, 604
 Geary WA II, 475
 Geller TJ, 602
 Gerber O, 511
 Gessain A, 123
 Gilman S, 149
 Glaze DG, 377
 Gloor P, 361, 458
 Goetz CG, 307
 Golbe LI, 513
 Gonzalez-Scarano F, 300
 Goodin DS, 90, 311
 Gordon CR, 415
 Goudsmit J, 397
 Gout O, 123
 Greenberg DA, 317
 Greene DA, 504
 Greenfield EA, 159
 Griffin GB, 389
 Griffin JW, 32
 Griggs RC, 197
 Groover RV, 578
 Grossman RI, 300
 Grotta JC, 171
 Gudesblatt M, 511
 Guilleminault C, 465
 Guttman M, 412

Habermann-Little B, 311
 Hain TC, 383
 Hakim AM, 279
 Hallett M, 512

Halliday WC, 78
 Hamill RW, 438
 Hansen LA, 530
 Hansen S, 331
 Hans MB, 159
 Hart RG, 315
 Hauser WA, 22
 Haxby JV, 408
 Hayashi M, 274
 Hedges TR III, 85, 290
 Heier LA, 342
 Hier DB, 316
 Hiesiger EM, 614
 Holland B, 397
 Holmes GL, 268
 Holmes M, 14
 Hyden H, 416
 Hyman BT, 259, 614

Iacono RP, 311
 Ide K, 109
 Igata A, 117
 Ijichi N, 117
 Ito B, 100
 Itoh H, 109
 Iwasaki Y, 215
 Izumo S, 117

Jagadha V, 78
 Jansen I, 431
 Jennings SS, 232
 Johnson C, 211
 Johnson D, 64
 Johnson EM Jr, 46
 Johnson RT, 113
 Jones K, 331
 Juncos J, 370

Kahn SN, 507
 Kameyama M, 204
 Kangawa K, 596
 Katusic SK, 514
 Kay AD, 408
 Keefover RW, 415
 Kelly M, 438
 Kennedy PGE, 32
 Kessler JA, 95
 Kida K, 274
 Kilts C, 353
 Kingsbury DT, 589
 Koch TK, 404
 Koeppe AH, 159
 Kolodny EH, 230
 Konkol RJ, 353
 Kopin IJ, 573
 Koprowski H, 215
 Kremzner LT, 511
 Kromer LJ, 259, 614
 Kupersmith MJ, 131
 Kurihara T, 596
 Kurland LT, 514
 Kushner M, 444
 Kwan ES, 85, 290

- Lance JW, 559
 Landau WM, 513
 Larson S, 14
 Lathi ES, 290
 Latov N, 207
 Laws ER Jr, 578
 Lease JJ, 349
 Lee BCP, 604
 Lee GK, 573
 Lee LA, 438
 Leshner RT, 232
 Lesser RP, 313, 315
 Liebersen B, 207
 Lockwood AH, 171
 Longar S, 540
 Lothman EW, 475
 Lowenstein DH, 404
 Lüders H, 512

 Maertens de Noordhout A, 111
 Mailman RB, 353
 Mann DMA, 613
 Manning KA, 53
 Mannu L, 190
 Marano GD, 415
 Marsden CD, 389
 Martin JB, 197
 Matsuda H, 274
 Matsukura S, 596
 Matsumoto M, 117
 Matsuo H, 596
 Maurs L, 123
 Mazziotta JC, 4
 McArthur JC, 32, 113
 McCombe PA, 102
 McDonald JV, 438
 McKeever M, 268
 McLeod JG, 102, 337, 419, 519
 McManis PG, 102
 Merrick D, 584
 Mesulam M-M, 312
 Meyer E, 279, 458
 Meyers DA, 349
 Michels VV, 578
 Miller DA, 207
 Miller OJ, 207
 Mizrahi EM, 312
 Moggio M, 564
 Mokri B, 578
 Morrison SH, 397
 Moser AB, 240
 Moser HW, 240, 349
 Mouradian MM, 370
 Munzer JS, 250
 Murphy C, 509
 Myers G, 606

 Nabatame H, 204
 Naidu S, 240
 Nakazato M, 556
 Nash CL Jr, 314
 Nass R, 604
 Navia BA, 490, 612
 Nayyar M, 98
 Neary D, 509
 Newall J, 131

 Nino-Murcia G, 465
 Nishimura K, 204
 Nishioka K, 511
 Nobile-Orazio E, 564
 Noda S, 109
 Nutt JG, 584

 Ochs RF, 458
 Odone A, 240
 Ogonowski M, 64
 Oleske JM, 397
 Olivier A, 314, 361
 Oppenheim JS, 604
 Osame M, 117
 Ottosson A, 431

 Palm A, 416
 Palmatier MA, 46
 Pandey JP, 507
 Partinen M, 465
 Pasternak JF, 202
 Patronas N, 14
 Paul DA, 397
 Pellegrini G, 564
 Penet C, 138
 Penn AS, 197
 Percy AK, 377
 Perlin JB, 475
 Perlmutter JS, 413
 Perry TL, 331
 Pessin MS, 85, 290
 Petito CK, 612
 Pettigrew LC, 171
 Phelps ME, 4
 Phillips MW, 232
 Phillips PC, 59, 511
 Pierrat-Deseilligny C, 138
 Pirastru MI, 190
 Plum F, 418
 Piurad SB, 46
 Pokrupa RP, 279
 Polinsky RJ, 573
 Pollard JD, 102, 337
 Porter RJ, 14
 Posner JB, 614
 Prella A, 564
 Price RW, 490, 612
 Proud VK, 232
 Prusiner SB, 589
 Pucillo A, 98
 Pumarola-Sune T, 490

 Quera-Salvá MA, 465
 Quesney LF, 314, 361

 Raichle ME, 413
 Ransohoff J, 131
 Rapoport SI, 408
 Reader TA, 314
 Recant L, 573
 Reid C, 171
 Reivich M, 444
 Renier WO, 599
 Rhyner PA, 104
 Riggs JE, 415
 Rigolet M-H, 138
 Riker AK, 408
 Rivaud S, 138

 Rizzo WB, 232
 Robbins JH, 412
 Robison SH, 250
 Robitaille Y, 314
 Rocca WA, 22
 Ronca NA, 159
 Rosati G, 190
 Rose D, 14
 Rosenblatt D, 176
 Roses AD, 197
 Rothwell JC, 389
 Rottenberg DA, 59
 Roy EP III, 415

 Sacher M, 511
 Sack GH Jr, 349
 Saida T, 215
 Sakaki Y, 596
 Sakuta M, 110
 Sammaritano M, 361
 Sanders DB, 240
 Sandyk R, 311
 Sanes JR, 481
 Sanhadji K, 123
 Sasaki H, 596
 Sato S, 14
 Sau G, 190
 Savino PJ, 444
 Scarlato G, 564
 Schapiro MB, 408
 Schatz NJ, 444
 Schauf CL, 71
 Schmidt RE, 46
 Schoenberg BS, 22, 195
 Schoenen J, 111
 Seeman P, 412
 Sergott RC, 444
 Serrati C, 370
 Shannon KM, 307
 Shapiro WR, 614
 Sharbrough FW, 22
 Sheehy MP, 389
 Sherwin AL, 176, 314
 Sibony PA, 53, 211
 Sidtis JJ, 59
 Silberberg DH, 300
 Silver FL, 444
 Sima AAF, 504
 Sims NR, 451, 509
 Singer HS, 497
 Singh BM, 98
 Sinnott ML, 497
 Slesinger PA, 497
 Smuckler EA, 104
 Smyth HS, 78
 Snyder BD, 109
 Snyder SH, 217
 Sonoda S, 274
 Sonoh M, 110
 Spatz L, 207
 Stadhouders AM, 599
 Stefoski D, 71
 Streifler J, 415
 Strobos RJ, 98
 Strother SC, 59
 Sturgeon C, 606
 Sutherling WW, 548

 Tabbaa MA, 109
 Takami S, 274
 Takaue Y, 511
 Tamaoka A, 110
 Tandari R, 250
 Tanner CM, 307
 Tara M, 117
 Task Force for the Determination of Brain Death in Children, 616
 Tateishi J, 589
 Tegeler CH, 315
 Terry RD, 530
 Theodore WH, 14
 Thompson CJ, 279
 Thompson PD, 389
 Tiemeyer M, 497
 Timmers K, 573
 Timsit-Berthier M, 111
 Timsit M, 111
 Toole JF, 197
 Torizuka K, 204
 Trautmann JC, 578
 Truck RR, 419, 519
 Tyler JL, 458

 Uddman R, 431
 Umezaki H, 109
 Usuku K, 117

 van Eys J, 511
 Van Hoesen GW, 259, 614
 Van Vleymen B, 216
 Vernant JC, 123
 Villanueva J, 279
 Vinters HV, 612
 Vicek BW, 100
 Vogel RR, 353

 Warren FA, 131
 Warren KG, 183
 Watts C, 614
 Weiner HL, 64
 Wiederholt WC, 514
 Willoughby EW, 470
 Wilson RS, 307
 Witte AS, 32
 Wolfson T, 458
 Wollman RL, 481
 Woodward KG, 512
 Woodward WR, 584
 Woolf PD, 438
 Woolsey CN, 402
 Wooten GF, 413
 Worley PF, 217
 Worsley K, 458

 Yamada I, 274
 Yamamoto K, 109
 Yamamoto YL, 279
 Yashiki S, 274
 Yates PO, 613
 Yong VW, 331
 Yoshinaga J, 274

 Zee DS, 383
 Zoccheddu A, 190
 Zoghbi HY, 377

Subject Index

Absence seizures

absence seizures in children: clinical and electroencephalographic features (Holmes et al), 268

Acetylcholinesterase

reinnervation of the hippocampal perforant pathway zone in Alzheimer's disease (Hyman et al), 259

Acidosis

effect of spontaneous reperfusion on metabolic function in early human cerebral infarcts (Hakim et al), 279

Acquired immune deficiency syndrome. *See* AIDS

Adaptation, physiological

abduction nystagmus in internuclear ophthalmoplegia (Zee et al), 388

Ad hoc reviewers

message from the Editor (Asbury), EDITORIAL, 1

Adenyl cyclase

beyond receptors: multiple second-messenger systems in brain (Worley et al), NEUROLOGICAL PROGRESS, 217

Adrenal cortex hormones

inflammatory demyelinating peripheral neuropathies associated with human T-cell lymphotropic virus type III infection (Cornblath et al), 32

Adrenoleukodystrophy

the adrenoleukodystrophy-adrenomyeloneuropathy complex: is it treatable? (Kolodny), EDITORIAL, 230

adrenoleukodystrophy: dietary oleic acid lowers hexacosanoate levels (Rizzo et al), 232

linkage of adrenoleukodystrophy to a polymorphic DNA probe (Aubourg et al), 349

new dietary therapy for adrenoleukodystrophy: biochemical and preliminary clinical results in 36 patients (Moser et al), 240

Adrenomyeloneuropathy

the adrenoleukodystrophy-adrenomyeloneuropathy complex: is it treatable? (Kolodny), EDITORIAL, 230

linkage of adrenoleukodystrophy to a polymorphic DNA probe (Aubourg et al), 349

Aging

neocortical cell counts in normal human adult aging (Terry et al), 530

AIDS

the AIDS dementia complex (Vinters), LETTER, 612; reply (Navia et al), LETTER, 612

expression of human immunodeficiency virus in cerebrospinal fluid of children with progressive encephalopathy (Epstein et al), 397

HIV antigen in the brains of patients with the AIDS dementia complex (Pumarola-Sune et al), 490

inflammatory demyelinating peripheral neuropathies associated with human T-cell lymphotropic virus type III infection (Cornblath et al), 32

Airway obstruction

central sleep apnea and partial obstruction of the upper airway (Guilleminault et al), 465

Alcoholism

disorders of the autonomic nervous system: part 1. Pathophysiology and clinical features (McLeod and Tuck), NEUROLOGICAL PROGRESS, 419

Alzheimer's disease

altered metabolic properties of cultured skin fibroblasts in Alzheimer's disease (Sims et al), 451

Alzheimer's disease cells exhibit defective repair of alkylating agent-induced DNA damage (Robison et al), 250

amino acids, glutathione, and glutathione transferase activity in the brains of patients with Alzheimer's disease (Perry et al), 331

deficiency of a cholinergic differentiating factor in fibroblasts of patients with Alzheimer's disease (Kessler), 95

noncholinergic mechanisms in Alzheimer's disease (Iacono and Sandyk), LETTER, 311; reply (Mesulam), LETTER, 312

phosphofructokinase activity in the brain in Alzheimer's disease (Sims et al), 509

reinnervation of the hippocampal perforant pathway zone in Alzheimer's disease (Hyman et al), 259

Aminopyridines

4-aminopyridine improves clinical signs in multiple sclerosis (Stefoski et al), 71

Amyloidosis

disorders of the autonomic nervous system: part 1. Pathophysiology and clinical features (McLeod and Tuck), NEUROLOGICAL PROGRESS, 419

primary amyloid polynuropathy with myocardial uptake of technetium-99m-diphosphonate (Tamaoka et al), 110

Amyloidosis, familial

biochemical and genetic characterization of type I familial amyloidotic polynuropathy (Nakazato et al), 596

Angioma. *See* Hemangioma

Antibodies, monoclonal

generation of human B-cell hybridomas secreting monoclonal anti-myelin-associated glycoprotein antibodies from a patient with neuropathy (Spatz et al), 207

IgG heavy-chain (Gm) allotypes in demyelinating polynuropathy associated with MAG-binding monoclonal IgM autoantibodies (Kahn and Pandey), 507

Anticonvulsants, adverse effects

anticonvulsants, folate levels, and pregnancy outcome: a prospective study (Dansky et al), 176

Antigenic determinants

immunoblotting of Creutzfeldt-Jakob disease prion proteins: host species-specific epitopes (Bockman et al), 589

Apomorphine

GABA-mimetic drugs enhance apomorphine-induced contralateral turning in rats with unilateral nigrostriatal dopamine denervation: implications for the therapy of Parkinson's disease (Bennett, Jr et al), 41

Arachnoid cysts

clinical and magnetic resonance features of primary intracranial arachnoid cysts (Gandy and Heier), 342

Arnold-Chiari deformity

acute paraparesis secondary to Arnold-Chiari type I malformation and neck hyperflexion (Vlcek and Ito), 100

Arteriovenous malformation

cerebral ptosis with contralateral arteriovenous malformation: a report of two cases (Lowenstein et al), 404

Arteriovenous malformation, familial

familial cavernous malformations of the central nervous system and retina (Dobyns et al), 578

January issue, pp 1-112; February issue, pp 113-216; March issue, pp 217-316; April issue, pp 317-418; May issue, pp 419-518; June issue, pp 519-630.

- Asphyxia neonatorum**
parasagittal infarction in neonatal asphyxia (Pasternak), 202
- Ataxia**
pontine ataxic hemiparesis studied by a high-resolution magnetic resonance imaging system (Nabatame et al), 204
- Ataxia, truncal**
truncal ataxia presumably due to malignant spinal cord compression (Gudesblatt et al), LETTER, 511
- Atrial fibrillation**
atrial size, atrial fibrillation, and stroke (Tegeler and Hart), LETTER, 315; reply (Caplan et al), LETTER, 316
- Autoimmune diseases**
class II antigen expression and inflammatory cells in the Guillain-Barré syndrome (Pollard et al), 337
- Autonomic nervous system diseases**
disorders of the autonomic nervous system: part 1. Pathophysiology and clinical features (McLeod and Tuck), NEUROLOGICAL PROGRESS, 419
disorders of the autonomic nervous system: part 2. Investigation and treatment (McLeod and Tuck), NEUROLOGICAL PROGRESS, 519
- Baclofen**
glossopharyngeal neuralgia: successful treatment with Baclofen (Ringel), LETTER, 514
- Basal ganglia, pathology**
GABA-mimetic drugs enhance apomorphine-induced contralateral turning in rats with unilateral nigrostriatal dopamine denervation: implications for the therapy of Parkinson's disease (Bennett, Jr et al), 41
- β blockade**
effects of β blockade on contingent negative variation in migraine (de Noordhout et al), LETTER, 111
- Bell's palsy.** See Facial paralysis
- Bereitschaftspotential**
Dr Bereitschaft? (Woodward), LETTER, 512; reply (Lüders), LETTER, 512
- Biopsy**
axilla skin biopsy: a reliable test for the diagnosis of Lafora's disease (Busard et al), 599
- Blepharoptosis**
cerebral ptosis with contralateral arteriovenous malformation: a report of two cases (Lowenstein et al), 404
- Blindness**
cortical blindness: etiology, diagnosis, and prognosis (Aldrich et al), 149
- Blood-brain barrier**
blood-brain barrier and drug delivery in central nervous system tumors (Watts), LETTER, 614; reply (Shapiro et al), LETTER, 614
- Books**
Basic Human Neuroanatomy: An Introductory Atlas, ed 3, by Watson (brief review), 516
The Biology of Learning, edited by Marler and Terrace, 418
Case Studies in Neurology for the House Officer, by Hauser et al (brief review), 516
Chemotherapy and Psychiatry: Principles and Practice, by Baldessarini, 418
The Citadel of the Senses, by Critchley, 418
Current Topics in Research on Synapses, Vol 3, edited by Jones, 418
Diagnosis and Treatment of Pineal Region Tumors, edited by Neuwelt, 418
Diagnostic Decisions in Neurology, by Poeck (brief review), 516
Disorders of the Pituitary, by Tindall and Barrow, 418
Essential Neurology, edited by Pryse-Phillips and Murray (brief review), 516
How to Examine the Nervous System, by Ross (brief review), 517
Intracranial Arteriovenous Malformations, edited by Wilson and Stein, 418
Introductory Neurology, by McLeod and Lance (brief review), 517
Lecture Notes on Neurology, by Draper (brief review), 517
The Nervous System: Introduction and Review, by Noback and Demarest (brief review), 518
Neurologic Differential Diagnosis, by Mumenthaler (brief review), 517
Neurology, edited by Russell and Wiles (brief review), 518
Principles of Neurologic Diagnosis, by Montgomery, Jr et al (brief review), 518
Radiodiagnosis of the Skull, by Dietemann, 418
Spinal Injury, ed 2, by Yashon, 418
Tachykinin Antagonists, edited by Hakanson and Sundler, 418
- Botulism**
disorders of the autonomic nervous system: part 1. Pathophysiology and clinical features (McLeod and Tuck), NEUROLOGICAL PROGRESS, 419
- Brain, metabolism**
amino acids, glutathione, and glutathione transferase activity in the brains of patients with Alzheimer's disease (Perry et al), 331
beyond receptors: multiple second-messenger systems in brain (Worley et al), NEUROLOGICAL PROGRESS, 217
cerebral glucose metabolism in the Lennox-Gastaut syndrome (Theodore et al), 14
Lennox-Gastaut syndrome: metabolic subtypes determined by 2-deoxy-2[18 F]fluoro-D-glucose positron emission tomography (Chugani et al), 4
Lennox-Gastaut syndrome and positron emission tomography (Ferrendelli), EDITORIAL, 3
reduced cerebral glucose metabolism and increased brain capillary permeability following high-dose methotrexate chemotherapy: a positron emission tomographic study (Phillips et al), 59
- Brain death**
guidelines for the determination of brain death in children (Task Force for the Determination of Brain Death in Children), 616
- Brain diseases**
clinical and magnetic resonance features of primary intracranial arachnoid cysts (Gandy and Heier), 342
cortical blindness: etiology, diagnosis, and prognosis (Aldrich et al), 149
HIV antigen in the brains of patients with the AIDS dementia complex (Pumarola-Sune et al), 490
latencies of visually guided saccades in unilateral hemispheric cerebral lesions (Pierrot-Deseilligny et al), 138
Whipple's disease confined to the central nervous system (Adams et al), 104
- Brain edema**
protective effects of liposome-entrapped superoxide dismutase on posttraumatic brain edema (Chan et al), 540
- Brain injuries**
catecholamines predict outcome in traumatic brain injury (Hamill et al), 438
protective effects of liposome-entrapped superoxide dismutase on posttraumatic brain edema (Chan et al), 540

Brain neoplasms

latencies of visually guided saccades in unilateral hemispheric cerebral lesions (Pierrot-Deseilligny et al), 138
reduced cerebral glucose metabolism and increased brain capillary permeability following high-dose methotrexate chemotherapy: a positron emission tomographic study (Phillips et al), 59

Brain neoplasms, childhood

CSF polyamines in childhood brain tumors (van Eys et al), LETTER, 511; reply (De Vivo et al), LETTER, 511

Brainstem

caloric-induced nystagmus with isoelectric electroencephalogram (Nayyar et al), 98

Bromocriptine

diencephalic seizures: responsiveness to bromocriptine and morphine (Bullard), 609

Calcitonin

peptide-containing nerve fibers in human cerebral arteries: immunocytochemistry, radioimmunoassay, and in vitro pharmacology (Edvinsson et al), 431

Calcium

calcium channels and calcium channel antagonists (Greenberg), NEUROLOGICAL PROGRESS, 317

Calcium channel blockers

brain extraction of a calcium channel blocker (Grotta et al), 171

calcium channels and calcium channel antagonists (Greenberg), NEUROLOGICAL PROGRESS, 317

Capillary permeability

reduced cerebral glucose metabolism and increased brain capillary permeability following high-dose methotrexate chemotherapy: a positron emission tomographic study (Phillips et al), 59

Cauda equina

infarction of the conus medullaris (Anderson and Willoughby), 470

Cell membrane

naloxone reverses the inhibition by sodium valproate of GABA transport across the Deiters' neuronal plasma membrane (Hyden et al), LETTER, 416

Central nervous system

blood-brain barrier and drug delivery in central nervous system tumors (Watts), LETTER, 614; reply (Shapiro et al), LETTER, 614

Cerebellar diseases

dysarthria-clumsy hand syndrome and cerebellar hemorrhage (Roy et al), LETTER, 415

Cerebral arteries

clinical features and mechanism of occipital infarction (Pessin et al), 290

peptide-containing nerve fibers in human cerebral arteries: immunocytochemistry, radioimmunoassay, and in vitro pharmacology (Edvinsson et al), 431

posterior cerebral artery stenosis (Pessin et al), 85
vasospasm versus vasculitis in cases with "isolated benign cerebral vasculitis" (Tabbaa and Snyder), LETTER, 109

Cerebral cortex

brain extraction of a calcium channel blocker (Grotta et al), 171

Cerebral cortex, analysis

neocortical cell counts in normal human adult aging (Terry et al), 530

Cerebral cortex, metabolism

phosphofructokinase activity in the brain in Alzheimer's disease (Sims et al), 509

Cerebral hemorrhage

dysarthria-clumsy hand syndrome and cerebellar hemorrhage (Roy et al), LETTER, 415

Cerebral infarction

clinical features and mechanism of occipital infarction (Pessin et al), 290

parasagittal infarction in neonatal asphyxia (Pasternak), 202

peduncular hallucinosis: magnetic resonance imaging confirmation of mesencephalic infarction during life (Geller and Bellur), 602

Cerebral ischemia

brain extraction of a calcium channel blocker (Grotta et al), 171

effect of spontaneous reperfusion on metabolic function in early human cerebral infarcts (Hakim et al), 279

recovery of vision after ischemic lesions: positron emission tomography (Bosley et al), 444

Cerebral ischemia, transient

posterior cerebral artery stenosis (Pessin et al), 85

Cerebral sclerosis. See Pelizaeus-Merzbacher disease

Cerebrospinal fluid

cerebrospinal fluid monoaminergic metabolites are elevated in adults with Down's syndrome (Kay et al), 408

Cerebrovascular circulation

cerebral ptosis with contralateral arteriovenous malformation: a report of two cases (Lowenstein et al), 404

familial cavernous malformations of the central nervous system and retina (Dobyns et al), 578

Cervical vertebrae

symptomatic atlantoaxial dislocation in Down's syndrome (Chaudhry et al), 606

Choline acetyltransferase

deficiency of a cholinergic differentiating factor in fibroblasts of patients with Alzheimer's disease (Kessler), 95

Ciladopa

treatment of Parkinson's disease with ciladopa (Aminoff et al), LETTER, 311

Clonidine

clonidine and Gilles de la Tourette's syndrome: double-blind study using objective rating methods (Goetz et al), 307

Computed tomography. See Tomography, x-ray computed

Conus medullaris

infarction of the conus medullaris (Anderson and Willoughby), 470

Corpus callosum

no sex-related differences in human corpus callosum based on magnetic resonance (Oppenheim et al), 604

Correction, 450

Corticotropin

β -endorphin, ACTH, and catecholamine responses in chronic autonomic failure (Polinsky et al), 573

Creutzfeldt-Jakob syndrome

immunoblotting of Creutzfeldt-Jakob disease prion proteins: host species-specific epitopes (Bockman et al), 589

Cysteamine

somatostatin augments the spread of limbic seizures from the hippocampus (Perlin et al), 475

Cytochrome oxidase

progressive cytochrome *c* oxidase deficiency in a case of Kearns-Sayre syndrome: morphological, immunological, and biochemical studies in muscle biopsies and autopsy tissues (Bresolin et al), 564

- Deiter's neuronal plasma membrane. *See* Cell membrane
- Dementia**
the AIDS dementia complex (Vinters), LETTER, 612; reply (Navia et al), LETTER, 612
electrophysiological differences between demented and nondemented patients with Parkinson's disease (Goodin and Aminoff), 90
HIV antigen in the brains of patients with the AIDS dementia complex (Pumarola-Sune et al), 490
- Demyelinating diseases**
chronic inflammatory demyelinating polyradiculoneuropathy associated with pregnancy (McCombe et al), 102
IgG heavy-chain (Gm) allotypes in demyelinating polyneuropathy associated with MAG-binding monoclonal IgM autoantibodies (Kahn and Pandey), 507
inflammatory demyelinating peripheral neuropathies associated with human T-cell lymphotropic virus type III infection (Cornblath et al), 32
- Diabetic neuropathies**
disorders of the autonomic nervous system: part 1. Pathophysiology and clinical features (McLeod and Tuck), NEUROLOGICAL PROGRESS, 419
reversible and irreversible nodal dysfunction in diabetic neuropathy (Brismar et al), 504
- Diazepam**
opsoclonus induced by phenytoin and diazepam (Dehaene and Van Vleymen), LETTER, 216
- Diencephalon**
diencephalic seizures: responsiveness to bromocriptine and morphine (Bullard), 609
- Diet therapy**
adrenoleukodystrophy: dietary oleic acid lowers hexacosanoate levels (Rizzo et al), 232
the adrenoleukodystrophy-adrenomyeloneuropathy complex: is it treatable? (Kolodny), EDITORIAL, 230
new dietary therapy for adrenoleukodystrophy: biochemical and preliminary clinical results in 36 patients (Moser et al), 240
- Disease models**
inactivation of GM₁-ganglioside β -galactosidase by a specific inhibitor: a model for ganglioside storage disease (Singer et al), 497
- DNA**
linkage of adrenoleukodystrophy to a polymorphic DNA probe (Aubourg et al), 349
Parkinson's disease, twins, and the DNA-damage hypothesis (Robbins), LETTER, 412
- DNA repair**
Alzheimer's disease cells exhibit defective repair of alkylating agent-induced DNA damage (Robison et al), 250
- Dopamine**
catecholamines predict outcome in traumatic brain injury (Hamill et al), 438
dopamine receptor elevation in denervated tissues (Seeman and Guttman), LETTER, 412; reply (Perlmutter and Raichle), LETTER, 412; reply (Bennett and Wooten), LETTER, 412
GABA-mimetic drugs enhance apomorphine-induced contralateral turning in rats with unilateral nigrostriatal dopamine denervation: implications for the therapy of Parkinson's disease (Bennett, Jr et al), 41
- Down's syndrome**
cerebrospinal fluid monoaminergic metabolites are elevated in adults with Down's syndrome (Kay et al), 408
the perforant pathway in Down's syndrome (Mann and Yates), LETTER, 613; reply (Hyman et al), LETTER, 614
symptomatic atlantoaxial dislocation in Down's syndrome (Chaudhry et al), 606
- Drug therapy**
blood-brain barrier and drug delivery in central nervous system tumors (Watts), LETTER, 614; reply (Shapiro et al), LETTER, 614
- Dysarthria**
dysarthria-clumsy hand syndrome and cerebellar hemorrhage (Roy et al), LETTER, 415
- Dysarthria-clumsy hand syndrome. *See* Dysarthria**
- Dysautonomia, familial**
disorders of the autonomic nervous system: part 1. Pathophysiology and clinical features (McLeod and Tuck), NEUROLOGICAL PROGRESS, 419
- Editorials**
evaluating the quality of quantitative data (Schoenberg), 195
Lennox-Gastaut syndrome and positron emission tomography (Ferrendelli), 3
message from the Editor (Asbury), 1
myelopathies and retroviral infections (Johnson and McArthur), 113
the adrenoleukodystrophy-adrenomyeloneuropathy complex: is it treatable? (Kolodny), 230
- Education, medical graduate**
training clinical neuroscientists (Griggs et al), 197
- Electroencephalography**
absence seizures in children: clinical and electroencephalographic features (Holmes et al), 268
caloric-induced nystagmus with isoelectric electroencephalogram (Nayyar et al), 98
cortical stimulation does not cause short-term changes in the electroencephalogram (Cohen and Hallett), LETTER, 512
effect of generalized spike-and-wave discharge on glucose metabolism measured by positron emission tomography (Ochs et al), 458
false lateralization by surface EEG of seizure onset in patients with temporal lobe epilepsy and gross focal cerebral lesions (Sammaritano et al), 361
magnetic field of complex partial seizures agrees with intracranial localizations (Sutherling et al), 548
- Electrophysiology**
nocturnal myoclonus, restless legs syndrome, and abnormal electrophysiological findings (Martinelli et al), LETTER, 515; reply (Wechsler et al), LETTER, 515
- Endorphins**
 β -endorphin, ACTH, and catecholamine responses in chronic autonomic failure (Polinsky et al), 573
noncholinergic mechanisms in Alzheimer's disease (Iacono and Sandyk), LETTER, 311; reply (Mesulam), LETTER, 312
- Epidemiologic methods**
evaluating the quality of quantitative data (Schoenberg), EDITORIAL, 195
risk factors for complex partial seizures: a population-based case-control study (Rocca et al), 22
Sardinia: a high-risk area for multiple sclerosis: a prevalence and incidence study in the District of Alghero (Rosati et al), 190
- Epilepsy**
anticonvulsants, folate levels, and pregnancy outcome: a prospective study (Dansky et al), 176

Epilepsy (*continued*)

- effect of generalized spike-and-wave discharge on glucose metabolism measured by positron emission tomography (Ochs et al), 458
- false lateralization by surface EEG of seizure onset in patients with temporal lobe epilepsy and gross focal cerebral lesions (Sammaritano et al), 361
- magnetic field of complex partial seizures agrees with intracranial localizations (Sutherland et al), 548
- risk factors for complex partial seizures: a population-based case-control study (Rocca et al), 22
- Epilepsy, focal
 - markers of focal epilepsy (Lesser), LETTER, 313; reply (Brière et al), LETTER, 314
- Epilepsy, myoclonus
 - axilla skin biopsy: a reliable test for the diagnosis of Lafora's disease (Busard et al), 599
- Epinephrine
 - β -endorphin, ACTH, and catecholamine responses in chronic autonomic failure (Polinsky et al), 573
 - catecholamines predict outcome in traumatic brain injury (Hamill et al), 438
- Evoked potentials, auditory
 - electrophysiological differences between demented and nondemented patients with Parkinson's disease (Goodin and Aminoff), 90
- Evoked potentials, somatosensory
 - examination of motor function in lesions of the spinal cord by stimulation of the motor cortex (Thompson et al), 389
 - intraoperative somatosensory evoked potentials (Brown and Nash), LETTER, 314; reply (Lesser), LETTER, 315
- Eye movements
 - opsoclonus induced by phenytoin and diazepam (Dehaene and Van Vleymen), LETTER, 216
 - repetitive divergence (Noda et al), LETTER, 109

Fatty acids

- adrenoleukodystrophy: dietary oleic acid lowers hexacosanoate levels (Rizzo et al), 232
- new dietary therapy for adrenoleukodystrophy: biochemical and preliminary clinical results in 36 patients (Moser et al), 240

Fibroblasts

- altered metabolic properties of cultured skin fibroblasts in Alzheimer's disease (Sims et al), 451
- deficiency of a cholinergic differentiating factor in fibroblasts of patients with Alzheimer's disease (Kessler), 95

Flushing

- postherpetic gustatory flushing and sweating (Drummond et al), 559

Folic acid, adverse effects

- anticonvulsants, folate levels, and pregnancy outcome: a prospective study (Dansky et al), 176

Frey's syndrome. *See* Sweating, gustatory

GABA

- amino acids, glutathione, and glutathione transferase activity in the brains of patients with Alzheimer's disease (Perry et al), 331
- GABA-mimetic drugs enhance apomorphine-induced contralateral turning in rats with unilateral nigrostriatal dopamine denervation: implications for the therapy of Parkinson's disease (Bennett, Jr et al), 41
- naloxone reverses the inhibition by sodium valproate of

GABA transport across the Deiters' neuronal plasma membrane (Hydén et al), LETTER, 416

Gadolinium

- multiple sclerosis disease activity correlates with gadolinium-enhanced magnetic resonance imaging (Gonzalez-Scarano et al), 300

Gangliosidosis

- inactivation of GM₁-ganglioside β -galactosidase by a specific inhibitor: a model for ganglioside storage disease (Singer et al), 497

Genetics

- linkage of adrenoleukodystrophy to a polymorphic DNA probe (Aubourg et al), 349

Gilles de la Tourette's syndrome

- clonidine and Gilles de la Tourette's syndrome: double-blind study using objective rating methods (Goetz et al), 307

- naloxone in Gilles de la Tourette's syndrome (Gadoth et al), LETTER, 415

Glucose, metabolism

- altered metabolic properties of cultured skin fibroblasts in Alzheimer's disease (Sims et al), 451
- cerebral glucose metabolism in the Lennox-Gastaut syndrome (Theodore et al), 14
- effect of generalized spike-and-wave discharge on glucose metabolism measured by positron emission tomography (Ochs et al), 458

- Lennox-Gastaut syndrome: metabolic subtypes determined by 2-deoxy-2-[¹⁸F]fluoro-D-glucose positron emission tomography (Chugani et al), 4

- Lennox-Gastaut syndrome and positron emission tomography (Ferrendelli), EDITORIAL, 3

- reduced cerebral glucose metabolism and increased brain capillary permeability following high-dose methotrexate chemotherapy: a positron emission tomographic study (Phillips et al), 59

Glutamine, metabolism

- altered metabolic properties of cultured skin fibroblasts in Alzheimer's disease (Sims et al), 451

Glutathione

- amino acids, glutathione, and glutathione transferase activity in the brains of patients with Alzheimer's disease (Perry et al), 331

Glutathione transferase

- amino acids, glutathione, and glutathione transferase activity in the brains of patients with Alzheimer's disease (Perry et al), 331

Glycerol trioleate oil

- adrenoleukodystrophy: dietary oleic acid lowers hexacosanoate levels (Rizzo et al), 232
- new dietary therapy for adrenoleukodystrophy: biochemical and preliminary clinical results in 36 patients (Moser et al), 240

Glycolysis

- effect of spontaneous reperfusion on metabolic function in early human cerebral infarcts (Hakim et al), 279

Glycoproteins

- generation of human B-cell hybridomas secreting monoclonal anti-myelin-associated glycoprotein antibodies from a patient with neuropathy (Spatz et al), 207

Guanacine

- sympathetic neuronal destruction in Macaque monkeys by guanethidine and guanacine (Palmatier et al), 46

Guanethidine

- sympathetic neuronal destruction in Macaque monkeys by guanethidine and guanacine (Palmatier et al), 46

- Guanosine triphosphate
beyond receptors: multiple second-messenger systems in brain (Worley et al), *NEUROLOGICAL PROGRESS*, 217
- Guillain-Barré syndrome. *See* Polyradiculoneuritis
- Hallucinations
peduncular hallucinosis: magnetic resonance imaging confirmation of mesencephalic infarction during life (Geller and Bellur), 602
- Headache
calcium channels and calcium channel antagonists (Greenberg), *NEUROLOGICAL PROGRESS*, 317
- Heart arrest
caloric-induced nystagmus with isoelectric electroencephalogram (Nayyar et al), 98
- Heart atrium
atrial size, atrial fibrillation, and stroke (Tegeler and Hart), *LETTER*, 315; reply (Caplan et al), *LETTER*, 316
- Hemangioma, familial
familial cavernous malformations of the central nervous system and retina (Dobyns et al), 578
- Hemiplegia
pontine ataxic hemiparesis studied by a high-resolution magnetic resonance imaging system (Nabatame et al), 204
- Hemodialysis
Wernicke's encephalopathy in patients on peritoneal dialysis or hemodialysis (Jagadha et al), 78
- Hemophilus influenzae*
Hemophilus influenzae meningitis in the rat: behavioral, electrophysiological, and biochemical consequences (Konkol et al), 353
- Herpes zoster
postherpetic gustatory flushing and sweating (Drummond et al), 559
- Hippocampus
brain extraction of a calcium channel blocker (Grotta et al), 171
reinnervation of the hippocampal perforant pathway zone in Alzheimer's disease (Hyman et al), 259
somatostatin augments the spread of limbic seizures from the hippocampus (Perlin et al), 475
- HIV. *See* Human immunodeficiency virus
- HLA antigens
heterogeneity in myasthenia gravis: HLA phenotypes and autoantibody responses in ocular and generalized types (Kida et al), 274
- HTLV. *See* Human T-cell leukemia virus
- Human immunodeficiency virus
expression of human immunodeficiency virus in cerebrospinal fluid of children with progressive encephalopathy (Epstein et al), 397
HIV antigen in the brains of patients with the AIDS dementia complex (Pumarola-Sune et al), 490
- Human T-cell leukemia virus
association of human T-lymphotropic viruses in chronic neurological disease (DeFreitas et al), *LETTER*, 215
chronic progressive myelopathy associated with elevated antibodies to human T-lymphotropic virus type I and adult T-cell leukemia-like cells (Osame et al), 117
endemic tropical spastic paraparesis associated with human T-lymphotropic virus type I: a clinical and seroepidemiological study of 25 cases (Vernant et al), 123
inflammatory demyelinating peripheral neuropathies associated with human T-cell lymphotropic virus type III infection (Cornblath et al), 32
- Hybridomas
generation of human B-cell hybridomas secreting monoclonal anti-myelin-associated glycoprotein antibodies from a patient with neuropathy (Spatz et al), 207
- Hypertension, orthostatic
 β -endorphin, ACTH, and catecholamine responses in chronic autonomic failure (Polinsky et al), 573
- Hypoglycemia
 β -endorphin, ACTH, and catecholamine responses in chronic autonomic failure (Polinsky et al), 573
- Hypotension, orthostatic
disorders of the autonomic nervous system: part 2. Investigation and treatment (McLeod and Tuck), *NEUROLOGICAL PROGRESS*, 519
- IgG
IgG heavy-chain (Gm) allotypes in demyelinating polyneuropathy associated with MAG-binding monoclonal IgM autoantibodies (Kahn and Pandey), 507
- IgM
generation of human B-cell hybridomas secreting monoclonal anti-myelin-associated glycoprotein antibodies from a patient with neuropathy (Spatz et al), 207
- Immunogenetics
heterogeneity in myasthenia gravis: HLA phenotypes and autoantibody responses in ocular and generalized types (Kida et al), 274
- Immunoglobulin allotypes
IgG heavy-chain (Gm) allotypes in demyelinating polyneuropathy associated with MAG-binding monoclonal IgM autoantibodies (Kahn and Pandey), 507
- Immunoglobulins
increased monomeric immunoglobulin A levels in tears from multiple sclerosis patients (Coyle et al), 211
- Infarction
infarction of the conus medullaris (Anderson and Willoughby), 470
- Ion channels
calcium channels and calcium channel antagonists (Greenberg), *NEUROLOGICAL PROGRESS*, 317
- Italy
evaluating the quality of quantitative data (Schoenberg), *EDITORIAL*, 195
- Sardinia: a high-risk area for multiple sclerosis: a prevalence and incidence study in the District of Alghero (Rosati et al), 190
- Kearns-Sayre syndrome
progressive cytochrome *c* oxidase deficiency in a case of Kearns-Sayre syndrome: morphological, immunological, and biochemical studies in muscle biopsies and autopsy tissues (Bresolin et al), 564
- Lafora's disease. *See* Epilepsy, myoclonus
- Learning disorders
Hemophilus influenzae meningitis in the rat: behavioral, electrophysiological, and biochemical consequences (Konkol et al), 353
- Lennox-Gastaut syndrome
cerebral glucose metabolism in the Lennox-Gastaut syndrome (Theodore et al), 14
Lennox-Gastaut syndrome: metabolic subtypes determined by 2-deoxy-2-[^{18}F]fluoro-D-glucose positron emission tomography (Chugani et al), 4
Lennox-Gastaut syndrome and positron emission tomography (Ferrendelli), *EDITORIAL*, 3

- Levodopa**
levodopa pharmacokinetic mechanisms and motor fluctuations in Parkinson's disease (Fabbrini et al), 370
3-*o*-methyldopa and the response to levodopa in Parkinson's disease (Nutt et al), 584
- Limbic system**
somatostatin augments the spread of limbic seizures from the hippocampus (Perlin et al), 475
- Linkage**
linkage of adrenoleukodystrophy to a polymorphic DNA probe (Aubourg et al), 349
- Lipodystrophy, intestinal.** *See* Whipple's disease
- Lipophilin**
defective biosynthesis of proteolipid protein in Pelizaeus-Merzbacher disease (Koeppen et al), 159
- Liposomes**
protective effects of liposome-entrapped superoxide dismutase on posttraumatic brain edema (Chan et al), 540
- Macrophages**
class II antigen expression and inflammatory cells in the Guillain-Barré syndrome (Pollard et al), 337
- Magnetic resonance imaging.** *See* Nuclear magnetic resonance
- Magnetoencephalography**
magnetic field of complex partial seizures agrees with intracranial localizations (Sutherling et al), 548
- Meningiomas**
irradiation of meningiomas of the intracranial anterior visual pathway (Kupersmith et al), 131
- Meningitis, *hemophilus***
Hemophilus influenzae meningitis in the rat: behavioral, electrophysiological, and biochemical consequences (Konkol et al), 353
- Mesencephalon**
peduncular hallucinosis: magnetic resonance imaging confirmation of mesencephalic infarction during life (Geller and Bellur), 602
- Methotrexate**
reduced cerebral glucose metabolism and increased brain capillary permeability following high-dose methotrexate chemotherapy: a positron emission tomographic study (Phillips et al), 59
- Methyldopa**
3-*o*-methyldopa and the response to levodopa in Parkinson's disease (Nutt et al), 584
- Metoprolol**
effects of β blockade on contingent negative variation in migraine (de Noordhout et al), LETTER, 111
- Migraine**
effects of β blockade on contingent negative variation in migraine (de Noordhout et al), LETTER, 111
- Models, neurological**
inactivation of GM₁-ganglioside β -galactosidase by a specific inhibitor: a model for ganglioside storage disease (Singer et al), 497
- Monoamines**
cerebrospinal fluid monoaminergic metabolites are elevated in adults with Down's syndrome (Kay et al), 408
- Morbidity**
evaluating the quality of quantitative data (Schoenberg), EDITORIAL, 195
- Morphine**
diencephalic seizures: responsiveness to bromocriptine and morphine (Bullard), 609
- Motor cortex**
examination of motor function in lesions of the spinal cord by stimulation of the motor cortex (Thompson et al), 389
- Multiple sclerosis**
4-aminopyridine improves clinical signs in multiple sclerosis (Stefoski et al), 71
association of human T-lymphotropic viruses in chronic neurological disease (DeFreitas et al), LETTER, 215
correlation between cerebrospinal fluid myelin basic protein and anti-myelin basic protein in multiple sclerosis patients (Warren and Catz), 183
evaluating the quality of quantitative data (Schoenberg), EDITORIAL, 195
increased monomeric immunoglobulin A levels in tears from multiple sclerosis patients (Coyle et al), 211
multiple sclerosis disease activity correlates with gadolinium-enhanced magnetic resonance imaging (Gonzalez-Scarano et al), 300
Sardinia: a high-risk area for multiple sclerosis: a prevalence and incidence study in the District of Alghero (Rosati et al), 190
- Muscles**
neural cell adhesion molecule in normal, denervated, and myopathic human muscle (Cashman et al), 481
- Myasthenia gravis**
heterogeneity in myasthenia gravis: HLA phenotypes and autoantibody responses in ocular and generalized types (Kida et al), 274
- Myelin proteins**
correlation between cerebrospinal fluid myelin basic protein and anti-myelin basic protein in multiple sclerosis patients (Warren and Catz), 183
- Myelitis**
myelopathies and retroviral infections (Johnson and McArthur), EDITORIAL, 113
- Myelopathy**
chronic progressive myelopathy associated with elevated antibodies to human T-lymphotropic virus type I and adult T-cell leukemia-like cells (Osame et al), 117
- Myocardium, metabolism**
primary amyloid polyneuropathy with myocardial uptake of technetium-99m-diphosphonate (Tamaoka et al), 110
- Myoclonus, nocturnal**
nocturnal myoclonus, restless legs syndrome, and abnormal electrophysiological findings (Martinelli et al), LETTER, 515; reply (Wechsler et al), LETTER, 515
- Myopathy**
neural cell adhesion molecule in normal, denervated, and myopathic human muscle (Cashman et al), 481
- Naloxone**
naloxone in Gilles de la Tourette's syndrome (Gadoth et al), LETTER, 415
naloxone reverses the inhibition by sodium valproate of GABA transport across the Deiters' neuronal plasma membrane (Hydén et al), LETTER, 416
- Neck, injuries**
acute paraparesis secondary to Arnold-Chiari type I malformation and neck hyperflexion (Vlcek and Ito), 100
- Neoplasms**
smoking, cancer, and Parkinson's disease (Golbe et al), LETTER, 513

- Nerve compression syndromes**
infarction of the conus medullaris (Anderson and Wiloughby), 470
- Nerve fibers**
peptide-containing nerve fibers in human cerebral arteries: immunocytochemistry, radioimmunoassay, and in vitro pharmacology (Edvinsson et al), 431
- Nerve tissue proteins**
peptide-containing nerve fibers in human cerebral arteries: immunocytochemistry, radioimmunoassay, and in vitro pharmacology (Edvinsson et al), 431
- Neural cell adhesion molecule**
neural cell adhesion molecule in normal, denervated, and myopathic human muscle (Cashman et al), 481
- Neural conduction**
reversible and irreversible nodal dysfunction in diabetic neuropathy (Brismar et al), 504
- Neuralgia, glossopharyngeal**
glossopharyngeal neuralgia: successful treatment with Baclofen (Ringel), LETTER, 514
- Neural transmission**
Hemophilus influenzae meningitis in the rat: behavioral, electrophysiological, and biochemical consequences (Konkol et al), 353
- Neurological Progress**
beyond receptors: multiple second-messenger systems in brain (Worley et al), 217
calcium channels and calcium channel antagonists (Greenberg), 317
disorders of the autonomic nervous system: part 1. Pathophysiology and clinical features (McLeod and Tuck), 419
disorders of the autonomic nervous system: part 2. Investigation and treatment (McLeod and Tuck), 519
- Neurology, education**
training clinical neuroscientists (Griggs et al), 197
- Neuromuscular diseases**
neural cell adhesion molecule in normal, denervated, and myopathic human muscle (Cashman et al), 481
- Neurons**
naloxone reverses the inhibition by sodium valproate of GABA transport across the Deiters' neuronal plasma membrane (Hydén et al), LETTER, 416
- Nicardipine**
brain extraction of a calcium channel blocker (Grotta et al), 171
- Norepinephrine**
 β -endorphin, ACTH, and catecholamine responses in chronic autonomic failure (Polinsky et al), 573
catecholamines predict outcome in traumatic brain injury (Hamill et al), 438
- Nuclear magnetic resonance**
clinical and magnetic resonance features of primary intracranial arachnoid cysts (Gandy and Heier), 342
multiple sclerosis disease activity correlates with gadolinium-enhanced magnetic resonance imaging (Gonzalez-Scarano et al), 300
no sex-related differences in human corpus callosum based on magnetic resonance (Oppenheim et al), 604
peduncular hallucinosis: magnetic resonance imaging confirmation of mesencephalic infarction during life (Geller and Bellur), 602
pontine ataxic hemiparesis studied by a high-resolution magnetic resonance imaging system (Nabatame et al), 204
- Nystagmus**
abduction nystagmus in internuclear ophthalmoplegia (Zee et al), 388
caloric-induced nystagmus with isoelectric electroencephalogram (Nayyar et al), 98
tobacco-induced primary-position upbeat nystagmus (Sibony et al), 53
- Occipital lobe**
clinical features and mechanism of occipital infarction (Pessin et al), 290
recovery of vision after ischemic lesions: positron emission tomography (Bosley et al), 444
- Oleic acids**
adrenoleukodystrophy: dietary oleic acid lowers hexacosanoate levels (Rizzo et al), 232
- Ophthalmoplegia**
abduction nystagmus in internuclear ophthalmoplegia (Zee et al), 388
- Opsoclonus**
opsoclonus induced by phenytoin and diazepam (Dehaene and Van Vleymen), LETTER, 216
- Oxygen consumption**
altered metabolic properties of cultured skin fibroblasts in Alzheimer's disease (Sims et al), 451
- Paralysis**
acute paraparesis secondary to Arnold-Chiari type I malformation and neck hyperflexion (Vlcek and Ito), 100
- Paraplegia**
endemic tropical spastic paraparesis associated with human T-lymphotropic virus type I: a clinical and seroepidemiological study of 25 cases (Vernant et al), 123
- Parkinson's disease**
disorders of the autonomic nervous system: part 1. Pathophysiology and clinical features (McLeod and Tuck), NEUROLOGICAL PROGRESS, 419
electrophysiological differences between demented and nondemented patients with Parkinson's disease (Goodin and Aminoff), 90
GABA-mimetic drugs enhance apomorphine-induced contralateral turning in rats with unilateral nigrostriatal dopamine denervation: implications for the therapy of Parkinson's disease (Bennett, Jr et al), 41
levodopa pharmacokinetic mechanisms and motor fluctuations in Parkinson's disease (Fabbrini et al), 370
3- α -methyldopa and the response to levodopa in Parkinson's disease (Nutt et al), 584
Parkinson's disease, twins, and the DNA-damage hypothesis (Robbins), LETTER, 412
smoking, cancer, and Parkinson's disease (Golbe et al), LETTER, 513
treatment of Parkinson's disease with ciladopa (Aminoff et al), LETTER, 311
- Pelizaeus-Merzbacher disease**
defective biosynthesis of proteolipid protein in Pelizaeus-Merzbacher disease (Koeppen et al), 159
- Perfusion**
effect of spontaneous reperfusion on metabolic function in early human cerebral infarcts (Hakim et al), 279
- Peripheral nerve diseases**
disorders of the autonomic nervous system: part 1. Pathophysiology and clinical features (McLeod and Tuck), NEUROLOGICAL PROGRESS, 419

- Peritoneal dialysis**
Wernicke's encephalopathy in patients on peritoneal dialysis or hemodialysis (Jagadha et al), 78
- PET. See Emission computed tomography**
- Phenytoin**
opsoclonus induced by phenytoin and diazepam (Dehaene and Van Vleymen), LETTER, 216
- Phosphofructokinase**
phosphofructokinase activity in the brain in Alzheimer's disease (Sims et al), 509
- Phosphoinositides**
beyond receptors: multiple second-messenger systems in brain (Worley et al), NEUROLOGICAL PROGRESS, 217
- Plasmapheresis**
inflammatory demyelinating peripheral neuropathies associated with human T-cell lymphotropic virus type III infection (Cornblath et al), 32
- Polyamines**
CSF polyamines in childhood brain tumors (van Eys et al), LETTER, 511; reply (De Vivo et al), LETTER, 511
- Poliovirus**
type 1 human poliovirus binds to human synaptosomes (Brown et al), 64
- Polyradiculoneuritis**
chronic inflammatory demyelinating polyradiculoneuropathy associated with pregnancy (McCombe et al), 102
class II antigen expression and inflammatory cells in the Guillain-Barré syndrome (Pollard et al), 337
inflammatory demyelinating peripheral neuropathies associated with human T-cell lymphotropic virus type III infection (Cornblath et al), 32
- Pons**
pontine ataxic hemiparesis studied by a high-resolution magnetic resonance imaging system (Nabatame et al), 204
- Pregnancy complications**
anticonvulsants, folate levels, and pregnancy outcome: a prospective study (Dansky et al), 176
chronic inflammatory demyelinating polyradiculoneuropathy associated with pregnancy (McCombe et al), 102
- Proteolipids**
defective biosynthesis of proteolipid protein in Pelizaeus-Merzbacher disease (Koeppen et al), 159
- Radiotherapy**
irradiation of meningiomas of the intracranial anterior visual pathway (Kupersmith et al), 131
- Receptors, dopamine**
dopamine receptor elevation in denervated tissues (Seeman and Guttman), LETTER, 412; reply (Perlmutter and Raichle), LETTER, 412; reply (Bennett and Wooten), LETTER, 412
- Refsum's disease**
new dietary therapy for adrenoleukodystrophy: biochemical and preliminary clinical results in 36 patients (Moser et al), 240
- Respiration disorders**
Rett's syndrome: characterization of respiratory patterns and sleep (Glaze et al), 377
- Restless legs**
nocturnal myoclonus, restless legs syndrome, and abnormal electrophysiological findings (Martinelli et al), LETTER, 515; reply (Wechsler et al), LETTER, 515
- Retinal diseases, familial**
familial cavernous malformations of the central nervous system and retina (Dobyns et al), 578
- Retrovirus infections**
myelopathies and retroviral infections (Johnson and McArthur), EDITORIAL, 113
- Rett's syndrome**
Rett's syndrome: characterization of respiratory patterns and sleep (Glaze et al), 377
- Saccades**
latencies of visually guided saccades in unilateral hemispheric cerebral lesions (Pierrot-Deseilligny et al), 138
- Sardinia**
evaluating the quality of quantitative data (Schoenberg), EDITORIAL, 195
Sardinia: a high-risk area for multiple sclerosis: a prevalence and incidence study in the District of Alghero (Rosati et al), 190
- Schwann cells**
class II antigen expression and inflammatory cells in the Guillain-Barré syndrome (Pollard et al), 337
- Second-messenger systems**
beyond receptors: multiple second-messenger systems in brain (Worley et al), NEUROLOGICAL PROGRESS, 217
- Seizures**
absence seizures in children: clinical and electroencephalographic features (Holmes et al), 268
cerebral glucose metabolism in the Lennox-Gastaut syndrome (Theodore et al), 14
diencephalic seizures: responsiveness to bromocriptine and morphine (Bullard), 609
false lateralization by surface EEG of seizure onset in patients with temporal lobe epilepsy and gross focal cerebral lesions (Sammartano et al), 361
Lennox-Gastaut syndrome: metabolic subtypes determined by 2-deoxy-2[¹⁸F]fluoro-D-glucose positron emission tomography (Chugani et al), 4
Lennox-Gastaut syndrome and positron emission tomography (Ferrendelli), EDITORIAL, 3
magnetic field of complex partial seizures agrees with intracranial localizations (Sutherling et al), 548
neonatal seizures: the need for precise clinical characterization (Mizrahi), LETTER, 312; reply (Abroms), LETTER, 313
risk factors for complex partial seizures: a population-based case-control study (Rocca et al), 22
somatostatin augments the spread of limbic seizures from the hippocampus (Perlin et al), 475
- Sex characteristics**
no sex-related differences in human corpus callosum based on magnetic resonance (Oppenheim et al), 604
- Sleep**
Rett's syndrome: characterization of respiratory patterns and sleep (Glaze et al), 377
- Sleep apnea syndromes**
central sleep apnea and partial obstruction of the upper airway (Guilleminault et al), 465
- Smoking**
smoking, cancer, and Parkinson's disease (Golbe et al), LETTER, 513
- Society for Physiological Neurology**
The Society for Physiological Neurology (Aring and Woolsey), 402
- Somatostatin**
somatostatin augments the spread of limbic seizures from the hippocampus (Perlin et al), 475
- Specialties, medical education**
training clinical neuroscientists (Griggs et al), 197

- Spinal cord compression, malignant
truncal ataxia presumably due to malignant spinal cord compression (Gudesblatt et al), LETTER, 511
- Spinal cord diseases
association of human T-lymphotropic viruses in chronic neurological disease (DeFreitas et al), LETTER, 215
chronic progressive myelopathy associated with elevated antibodies to human T-lymphotropic virus type I and adult T-cell leukemia-like cells (Osame et al), 117
disorders of the autonomic nervous system: part 1. Pathophysiology and clinical features (McLeod and Tuck), NEUROLOGICAL PROGRESS, 419
endemic tropical spastic paraparesis associated with human T-lymphotropic virus type I: a clinical and seroepidemiological study of 25 cases (Vernant et al), 123
examination of motor function in lesions of the spinal cord by stimulation of the motor cortex (Thompson et al), 389
- Steroids
treatment of Bell's palsy (Landau), LETTER, 513; reply (Katusic et al), LETTER, 514
- Stimulation, cortical
cortical stimulation does not cause short-term changes in the electroencephalogram (Cohen and Hallett), LETTER, 512
- Stroke
atrial size, atrial fibrillation, and stroke (Tegeler and Hart), LETTER, 315; reply (Caplan et al), LETTER, 316
brain extraction of a calcium channel blocker (Grotta et al), 171
clinical features and mechanism of occipital infarction (Pessin et al), 290
cortical blindness: etiology, diagnosis, and prognosis (Aldrich et al), 149
effect of spontaneous reperfusion on metabolic function in early human cerebral infarcts (Hakim et al), 279
neonatal seizures: the need for precise clinical characterization (Mizrahi), LETTER, 312; reply (Abroms), LETTER, 313
recovery of vision after ischemic lesions: positron emission tomography (Bosley et al), 444
- Substance P
peptide-containing nerve fibers in human cerebral arteries: immunocytochemistry, radioimmunoassay, and in vitro pharmacology (Edvinsson et al), 431
- Superoxide dismutase
protective effects of liposome-entrapped superoxide dismutase on posttraumatic brain edema (Chan et al), 540
- Sweating, gustatory
postherpetic gustatory flushing and sweating (Drummond et al), 559
- Sympathectomy
sympathetic neuronal destruction in Macaque monkeys by guanethidine and guanacine (Palmatier et al), 46
- Synaptosomes
type 1 human poliovirus binds to human synaptosomes (Brown et al), 64
- Tears
increased monomeric immunoglobulin A levels in tears from multiple sclerosis patients (Coyle et al), 211
- Technetium
primary amyloid polyneuropathy with myocardial uptake of technetium-99m-diphosphonate (Tamaoka et al), 110
- Temporal lobe, pathology
false lateralization by surface EEG of seizure onset in patients with temporal lobe epilepsy and gross focal cerebral lesions (Sammartano et al), 361
- Tobacco
tobacco-induced primary-position upbeat nystagmus (Sibony et al), 53
- Tomography, emission computed
cerebral glucose metabolism in the Lennox-Gastaut syndrome (Theodore et al), 14
effect of generalized spike-and-wave discharge on glucose metabolism measured by positron emission tomography (Ochs et al), 458
effect of spontaneous reperfusion on metabolic function in early human cerebral infarcts (Hakim et al), 279
Lennox-Gastaut syndrome: metabolic subtypes determined by 2-deoxy-2-[¹⁸F]fluoro-D-glucose positron emission tomography (Chugani et al), 4
Lennox-Gastaut syndrome and positron emission tomography (Ferrendelli), EDITORIAL, 3
recovery of vision after ischemic lesions: positron emission tomography (Bosley et al), 444
reduced cerebral glucose metabolism and increased brain capillary permeability following high-dose methotrexate chemotherapy: a positron emission tomographic study (Phillips et al), 59
- Tomography, positron emission. *See* Tomography, emission computed
- Tomography, x-ray computed
clinical and magnetic resonance features of primary intracranial arachnoid cysts (Gandy and Heier), 342
multiple sclerosis disease activity correlates with gadolinium-enhanced magnetic resonance imaging (Gonzalez-Scarano et al), 300
parasagittal infarction in neonatal asphyxia (Pasternak), 202
- Tropical spastic paraparesis
endemic tropical spastic paraparesis associated with human T-lymphotropic virus type I: a clinical and seroepidemiological study of 25 cases (Vernant et al), 123
- Twins
Parkinson's disease, twins, and the DNA-damage hypothesis (Robbins), LETTER, 412
- Urinary incontinence
disorders of the autonomic nervous system: part 2. Investigation and treatment (McLeod and Tuck), NEUROLOGICAL PROGRESS, 519
- Vasculitis
vasospasm versus vasculitis in cases with "isolated benign cerebral vasculitis" (Tabbaa and Snyder), LETTER, 109
- Vasoactive intestinal peptide
peptide-containing nerve fibers in human cerebral arteries: immunocytochemistry, radioimmunoassay, and in vitro pharmacology (Edvinsson et al), 431
- Vasoconstriction
peptide-containing nerve fibers in human cerebral arteries: immunocytochemistry, radioimmunoassay, and in vitro pharmacology (Edvinsson et al), 431
vasospasm versus vasculitis in cases with "isolated benign cerebral vasculitis" (Tabbaa and Snyder), LETTER, 109

Vision disorders

peduncular hallucinosis: magnetic resonance imaging confirmation of mesencephalic infarction during life (Geller and Bellur), 602

recovery of vision after ischemic lesions: positron emission tomography (Bosley et al), 444

Visual fields

clinical features and mechanism of occipital infarction (Pessin et al), 290

Visual pathways

irradiation of meningiomas of the intracranial anterior visual pathway (Kupersmith et al), 131

Warfarin

posterior cerebral artery stenosis (Pessin et al), 85

Wernicke's encephalopathy

Wernicke's encephalopathy in patients on peritoneal dialysis or hemodialysis (Jagadha et al), 78

Whipple's disease

Whipple's disease confined to the central nervous system (Adams et al), 104

X Chromosome

defective biosynthesis of proteolipid protein in Pelizaeus-Merzbacher disease (Koeppen et al), 159

